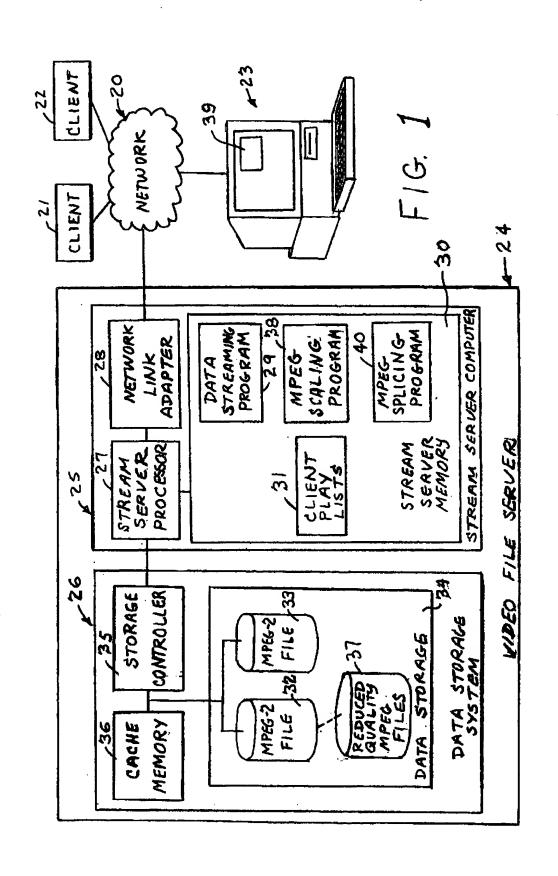
1



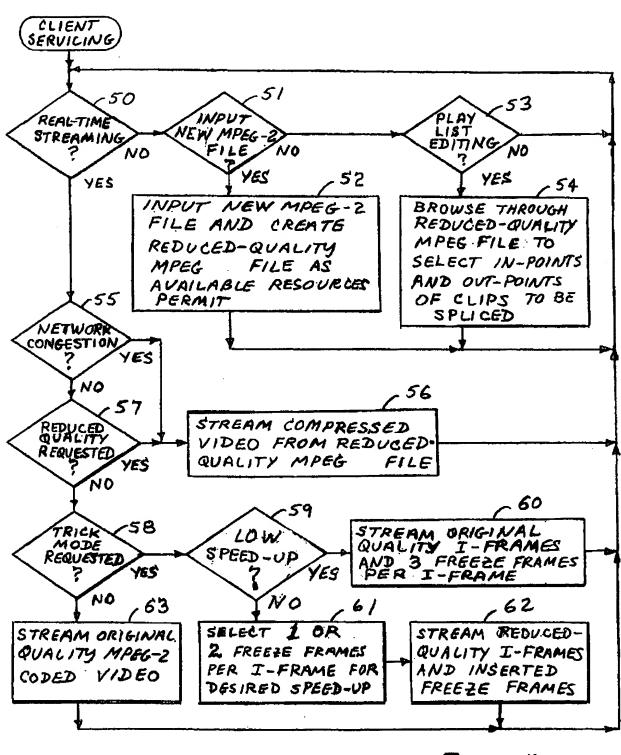


FIG. 2

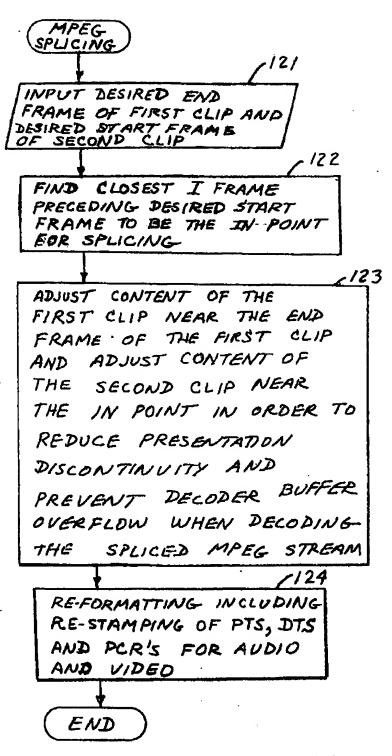
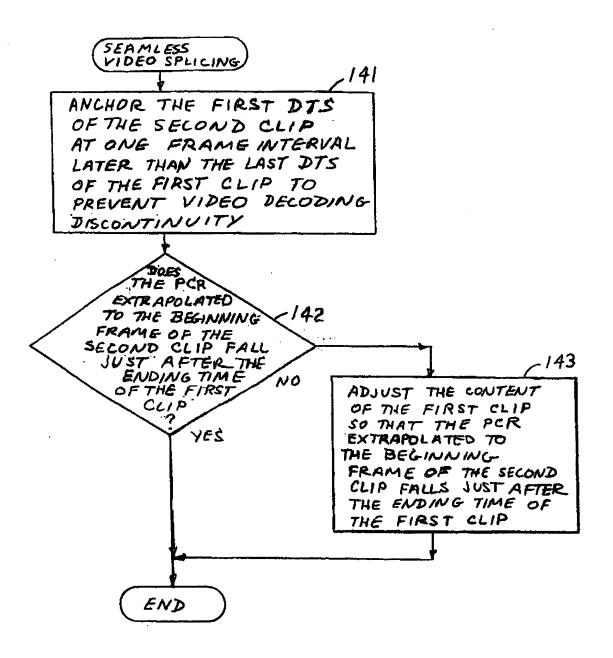


FIG. 3



F1G. 4

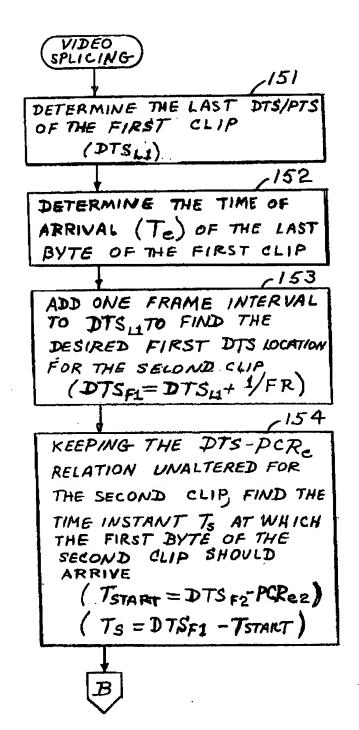
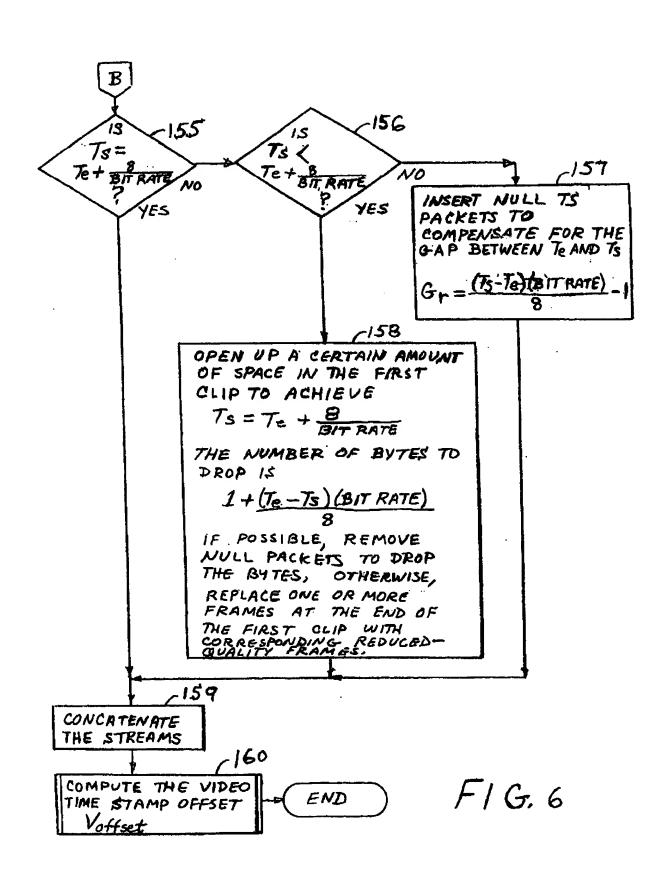
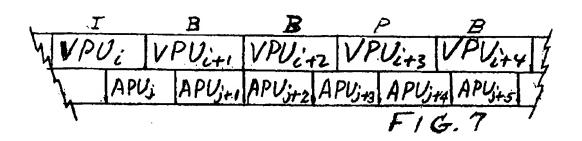
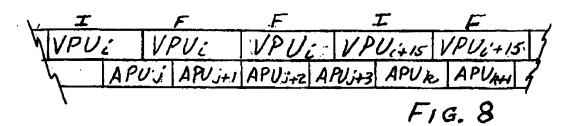
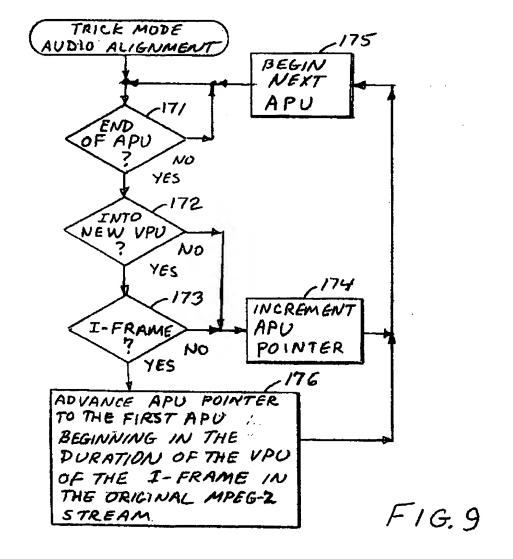


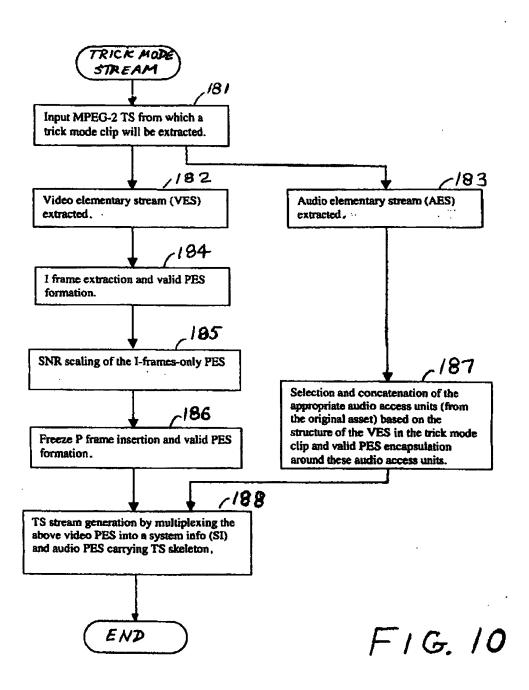
FIG. 5











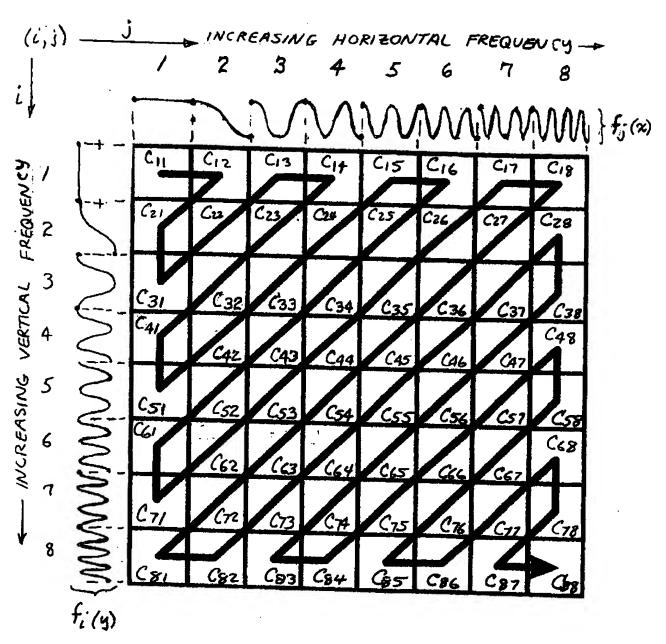
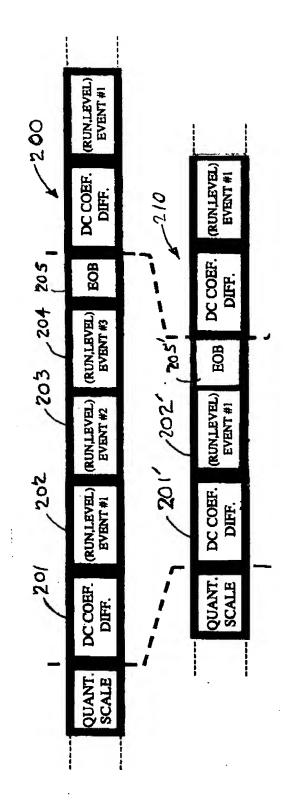
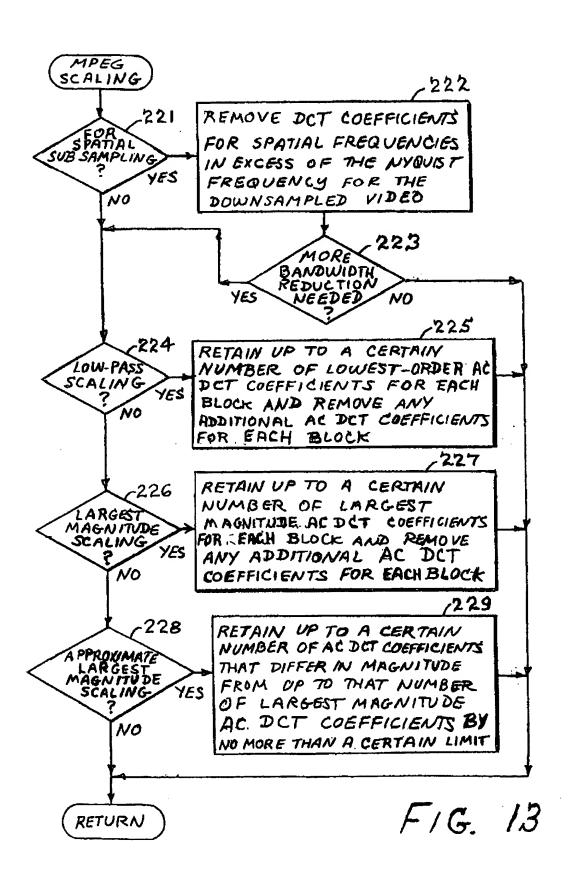
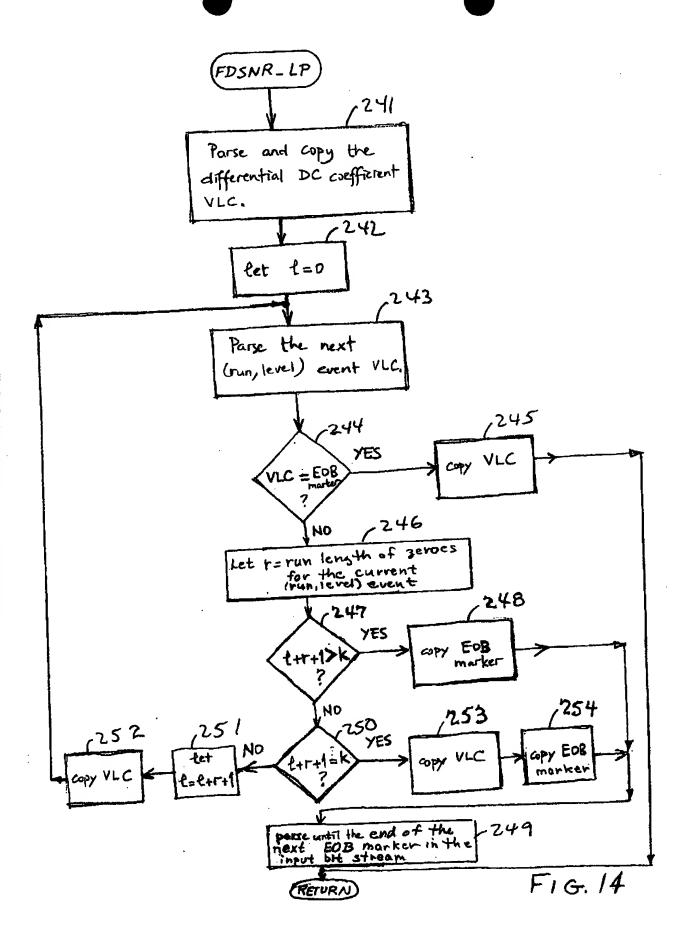


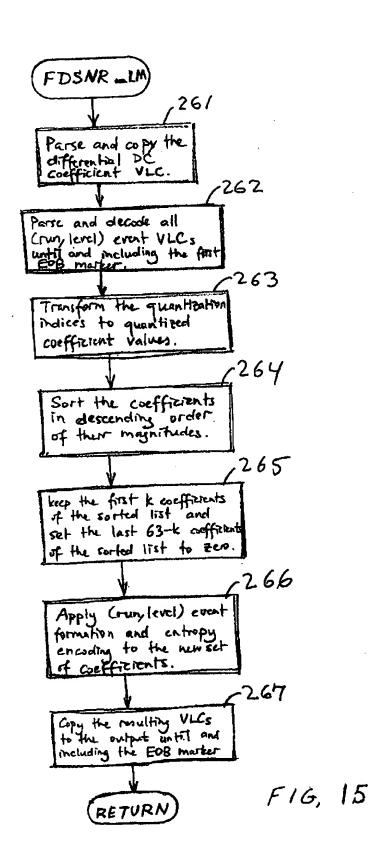
FIG. 11 (PRIOR ART)

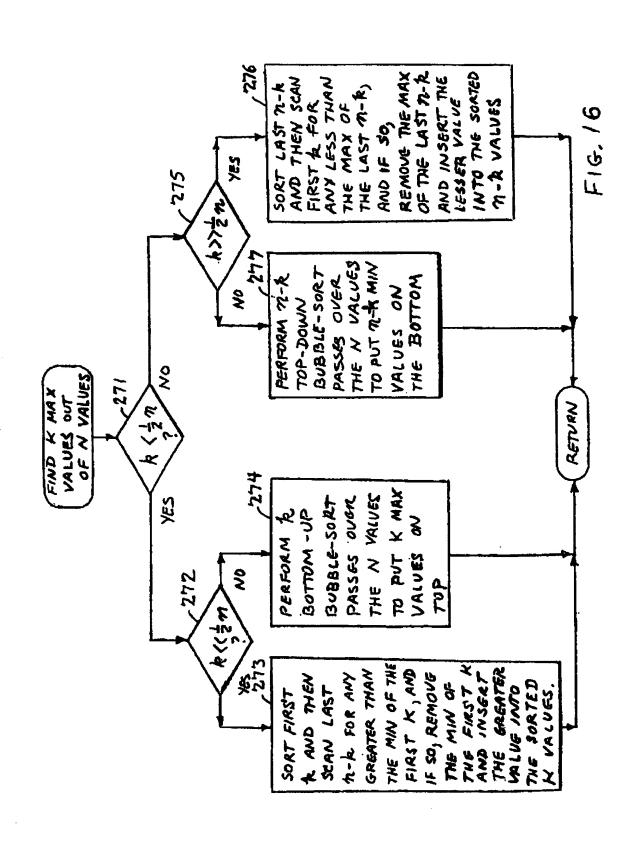


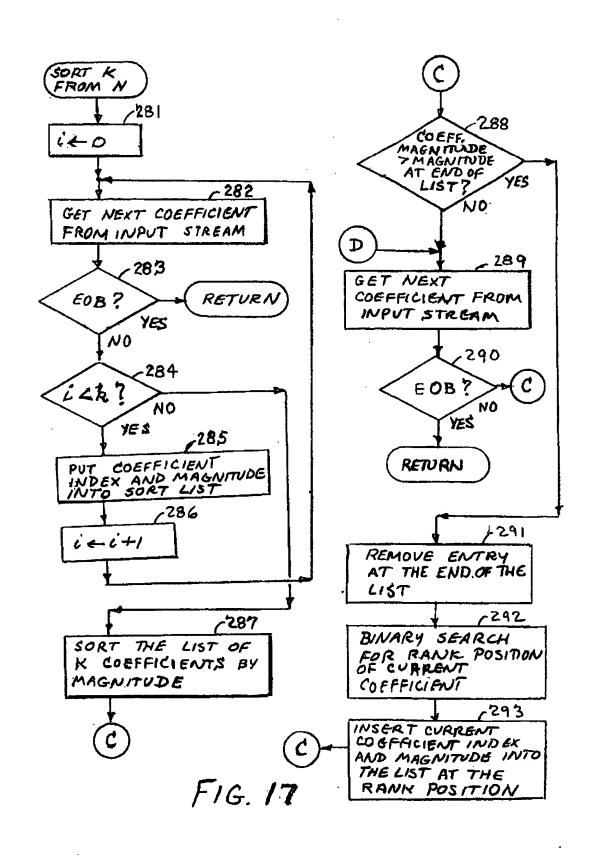
F1G. 12











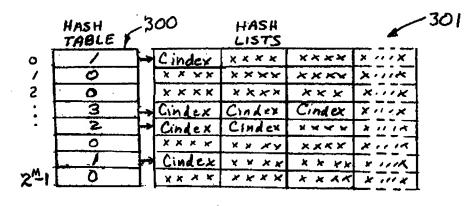


FIG. /8

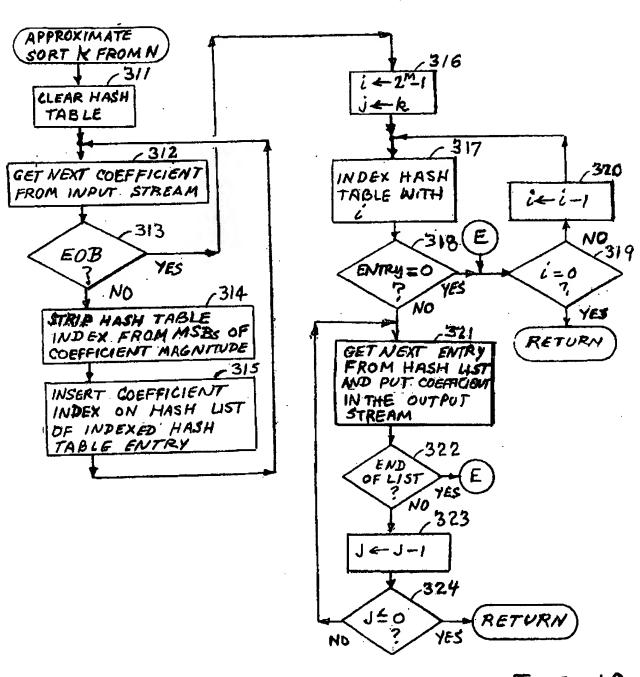
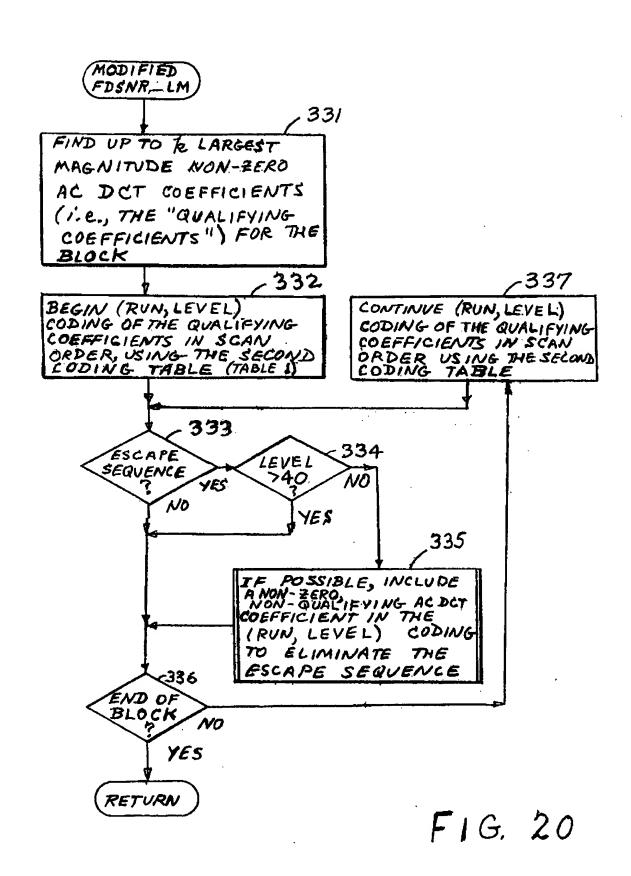
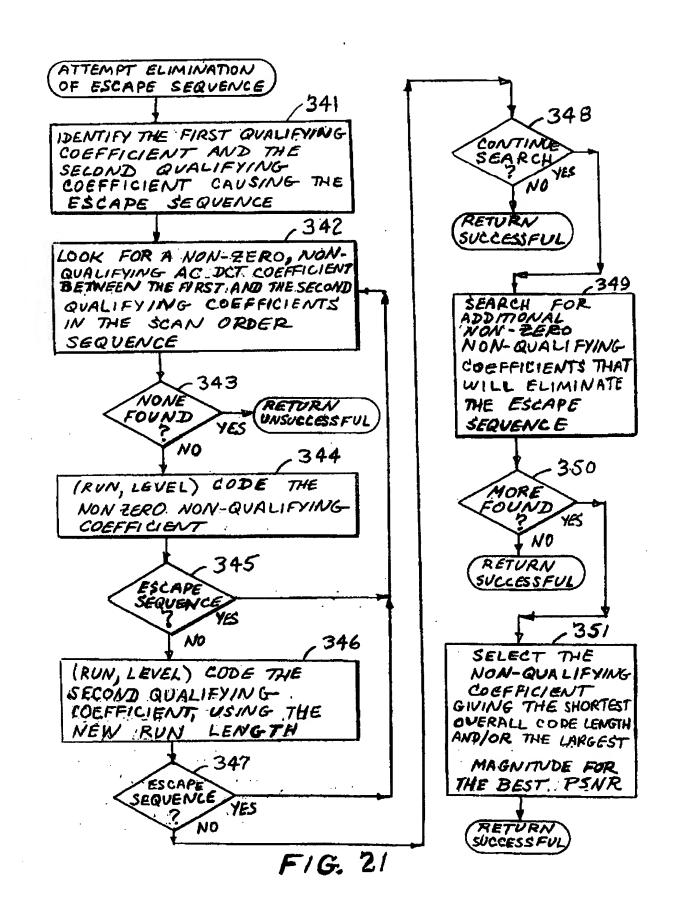
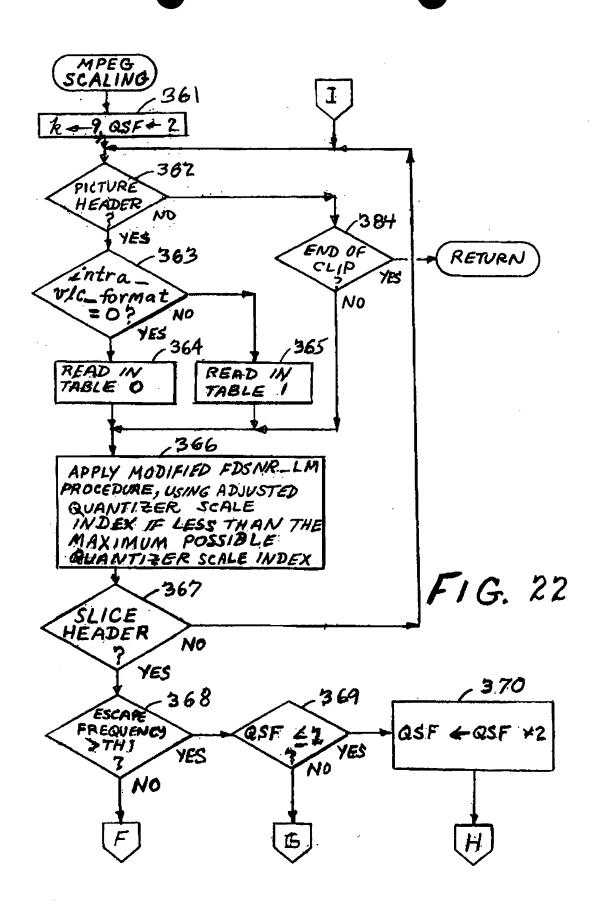
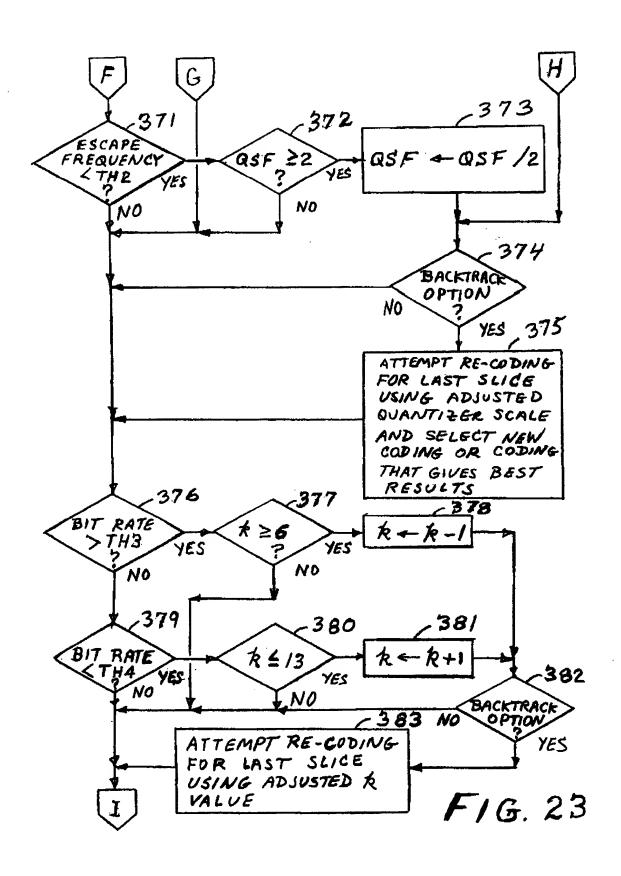


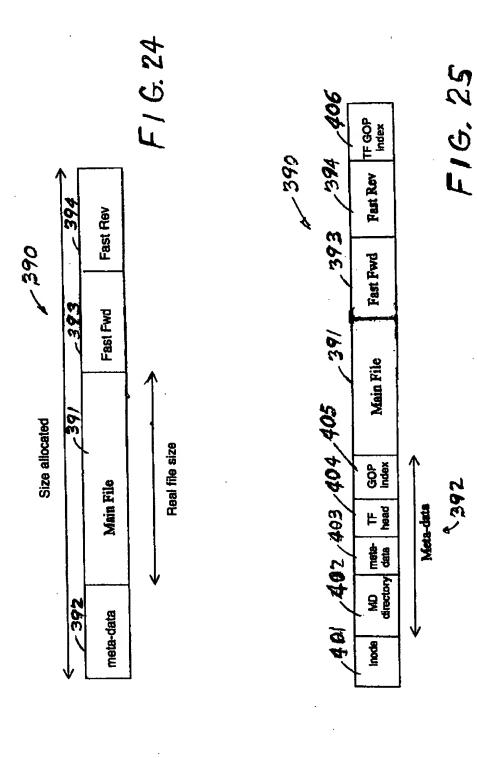
FIG. 19

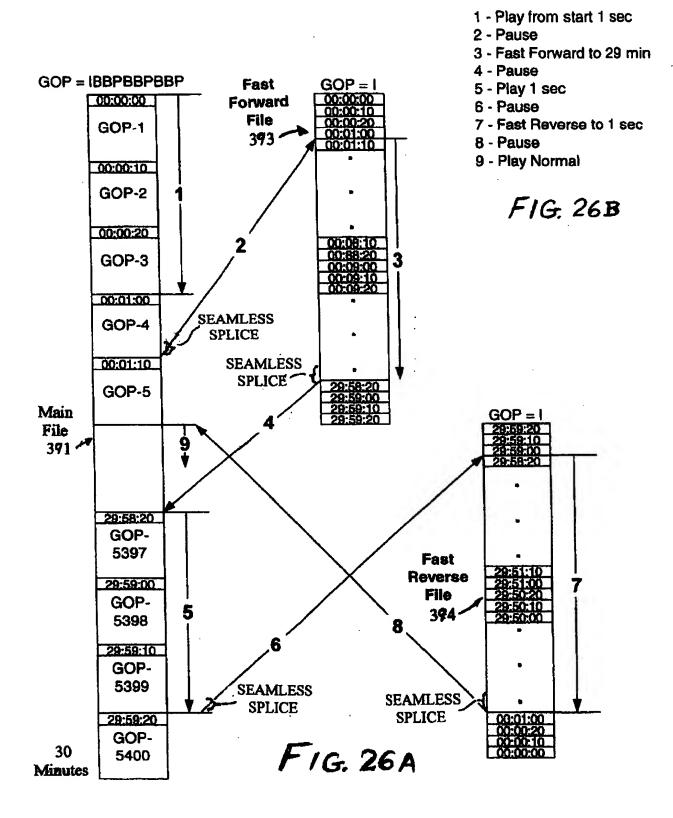












	READ	WRITE
Copy of the asset with all the data	EMPEG2	EMPEG2
Copy only the main asset	RAW	MPEG2
Archive	EMPEG2	EMPEG2
Play	MPEG2	
Record		MPEG2

FIG. 27

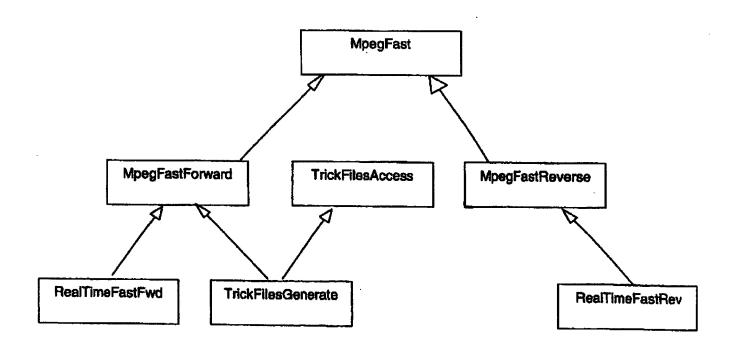
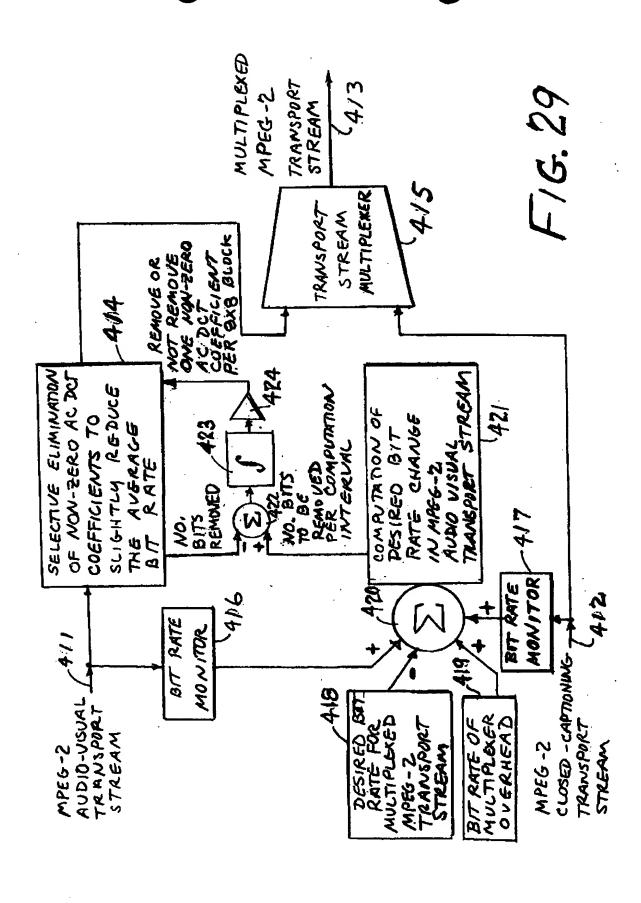


FIG. 28



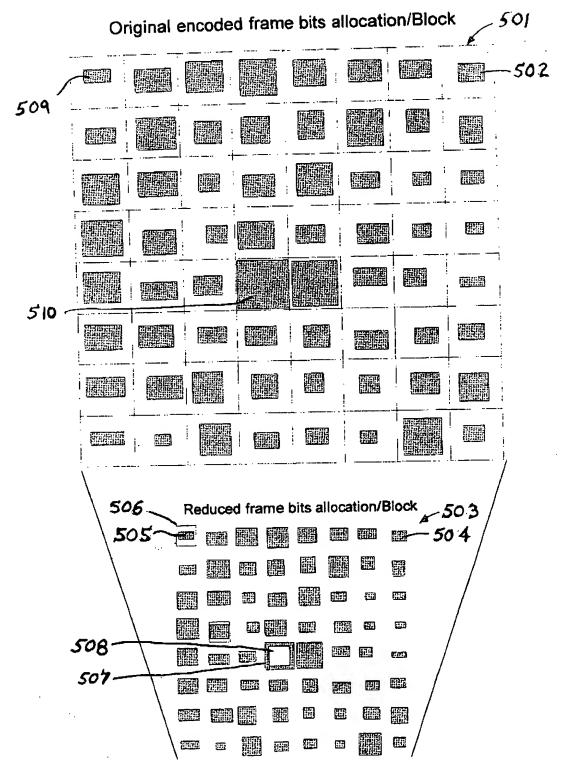
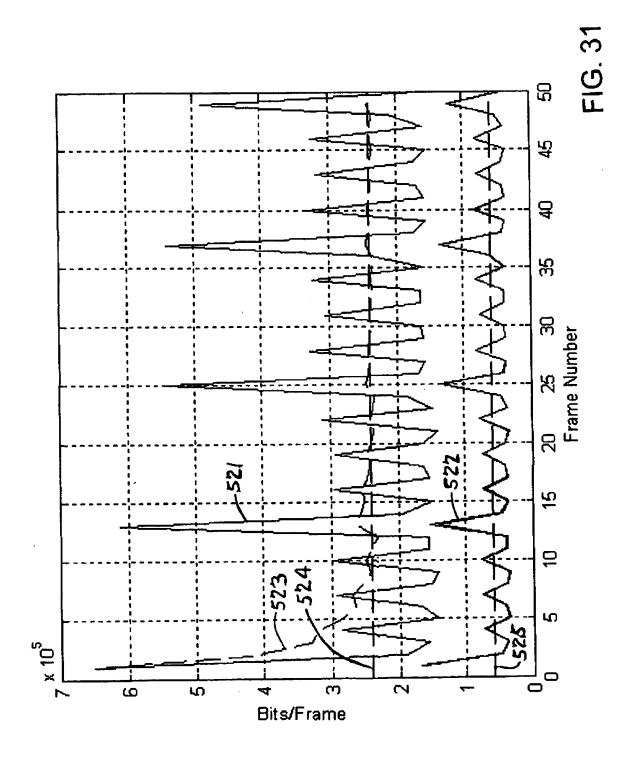
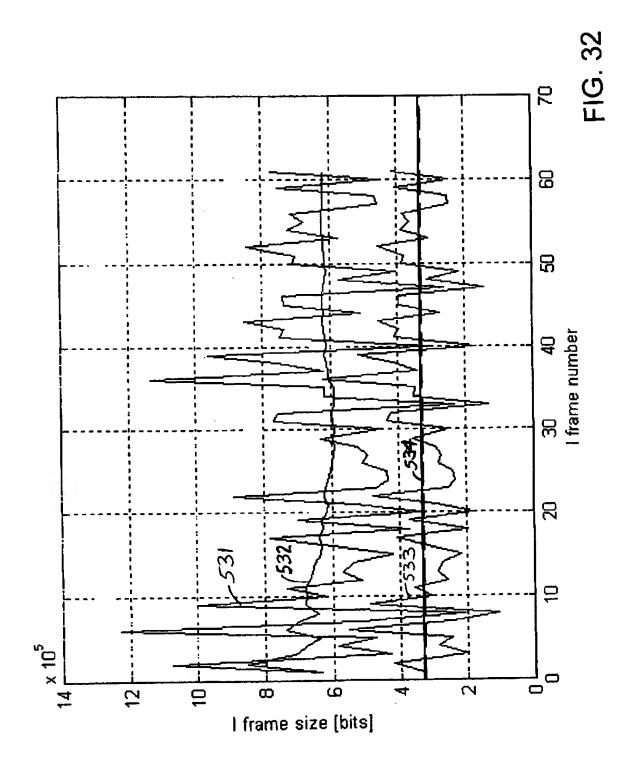
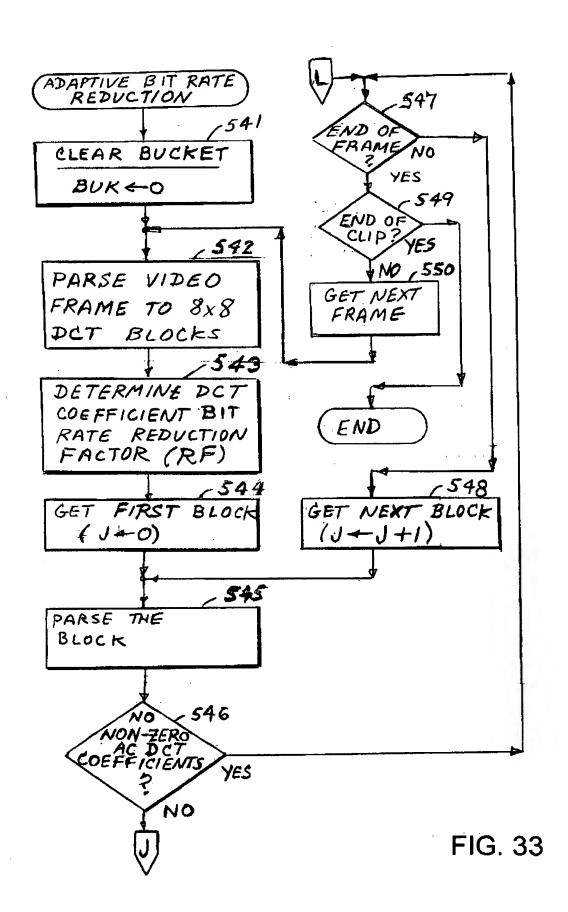
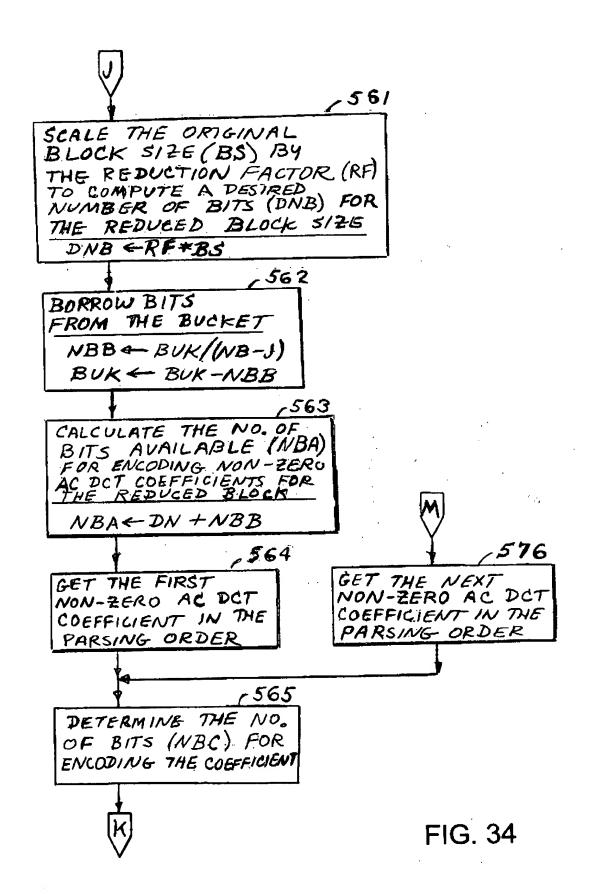


FIG. 30









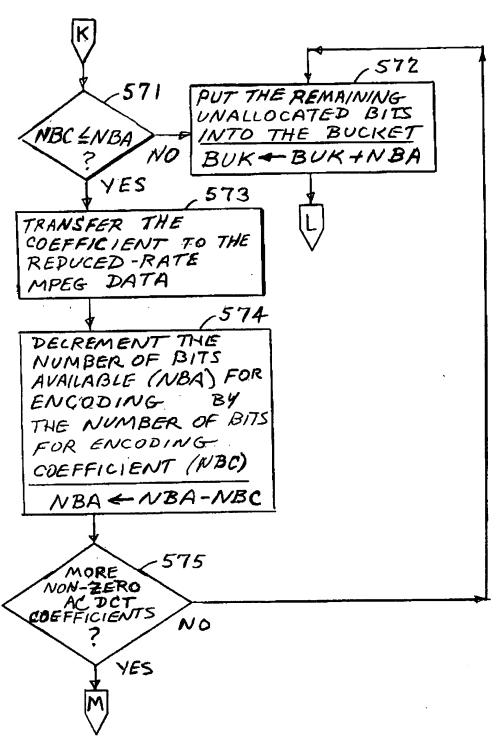


FIG. 35

DETERMINE THE COEFFICIENT BIT
RATE REDUCTION FACTOR (RF) FOR A
REDUCTION FROM AN MPEG SOURCE HAVING
A KNOWN CONSTANT BIT RATE

-581

DETERMINE THE OFFSET
RATE (S) OF BITS IN
THE ORIGINAL-QUALITY
MPEG SOURCE THAT ARE
NOT BITS OF THE
AC DCT COEFFICIENTS

582

COMPUTE THE COEFFICIENT
BIT RATE REDUCTION FACTOR
(RF) FROM THE KNOWN

CONSTANT BIT RATE
(BO) AND PADDING (PD) OF THE
ORIGINAL-QUALITY MPEG SOURCE,
THE OFFSET RATE (S),
AND THE DESIRED REDUCED

RATE (BR) OF THE
REDUCED -QUALITY
MPEG PATA

 $RF = \frac{BR - S}{BO - PD - S}$ 

RETURN

FIG. 36

DETERMINE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF) FOR A REDUCTION FROM AN MPEG SOURCE HAVING AN UNKNOWN OR VARIABLE BIT RATE  591  DETERMINE VIDEO FRAME SIZE IN BITS (VS)  DETERMINE A MOVING AVERAGE VIDEO FRAME SIZE OVER THE LAST N. FRAMES (VAVS)  FROM AN ACCURRING RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BR) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR* BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT LOEFFICIENTS  S95  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS  (RETURN)  FIG. 37		A.T.C.
DETERMINE VIDEO FRAME SIZE  IN BITS (VS)  S92  DETERMINE A MOVING AVERAGE VIDED FRAME SIZE OVER THE LAST N. FRAMES (VAVS)  CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VR AVS)  FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BR) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT COEFFICIENTS  S95  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAWS /VAVS	REDUCTION FACTOR (RF) FOR A REDU FROM AN MPEG SOURCE HAVING AN UNK	KTION
DETERMINE A MOVING AVERAGE VIDED FRAME SIZE OVER THE LAST N FRAMES (VAVS)  CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VR AVS) FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BA) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR & BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT COEFFICIENTS  (595)  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS	5	91
DETERMINE A MOVING AVERAGE VIDED FRAME SIZE OVER THE LAST N. FRAMES (VAVS)  S93  CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VRAVS) FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BR) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR* BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT COEFFICIENTS  S95  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAUS/VAVS		
VIDEO FRAME SIZE OVER THE LAST N. FRAMES (VAVS)  S93  CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VR AVS)  FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BR)  OF THE REDUCED - QUALITY  MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS)  IN THE FRAME THAT ARE  NOT BITS OF THE AC DCT  EQEFFICIENTS  S95  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAW VAVS		592
CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VRAVS) FROM AN ACCURACY RATE CONTROL FACTOR (AR), THE DESIRED REDUCED RATE (BA) OF THE REDUCED - QUALITY MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT COEFFICIENTS  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAVS/VAVS	VIDEO FRAME SIZE OVER THE	
CALCULATE A TARGET AVERAGE VIDEO FRAME SIZE (VRAVS)  FROM AN ACCURACY RATE  CONTROL FACTOR (AR), THE  DESIRED REDUCED RATE (BR)  OF THE REDUCED - QUALITY  MPEG PATA, AND THE VIDEO  FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS)  IN THE FRAME THAT ARE  NOT BITS OF THE AC DCT  COEFFICIENTS  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS		93
CONTROL FACTOR (AR), THE  DESIRED REDUCED RATE (BR)  OF THE REDUCED - QUALITY  MPEG PATA, AND THE VIDEO  FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS)  IN THE FRAME THAT ARE  NOT BITS OF THE AC DCT  EQEFFICIENTS  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAIS/VAVS	CALCULATE A TARGET AVERAGE	
DESIRED REDUCED RATE (BR)  OF THE REDUCED - QUALITY  MPEG PATA, AND THE VIDEO  FRAME RATE (FR)  VRAVS = AR & BR/FR  DETERMINE NO. OF BITS (BS)  IN THE FRAME THAT ARE  NOT BITS OF THE AC DET  EQEFFICIENTS  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS		
MPEG PATA, AND THE VIDEO FRAME RATE (FR)  VRAVS = AR * BR/FR  DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE. AC DCT COEFFICIENTS  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS	DESIRED REDUCED RATE (BA	)
DETERMINE NO. OF BITS (BS) IN THE FRAME THAT ARE NOT BITS OF THE AC DCT EQEFFICIENTS  COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)  RF = VRAWS/VAVS	MPEG PATA, AND THE VIDEO	
DETERMINE NO. OF BITS (BS)  IN THE FRAME THAT ARE  NOT BITS OF THE AC DET  EQEFFICIENTS  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAWS / VAVS	VRAVS = AR * BR/FR	
IN THE FRAME THAT ARE  NOT BITS OF THE AC DCT  COEFFICIENTS  COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF= VRAWS/VAVS		794
COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF = VRAW / VAVS		
COMPUTE THE COEFFICIENT BIT  RATE REDUCTION FACTOR (RF)  RF= VRAW / VAVS		
RATE REDUCTION FACTOR (RF)  RF= VRAW / VAUS	/5	95
	COMPUTE THE COEFFICIENT BIT RATE REDUCTION FACTOR (RF)	_
(RETURN) FIG. 37	RF= VRAUS/VAVS	
	RETURN	FIG. 37

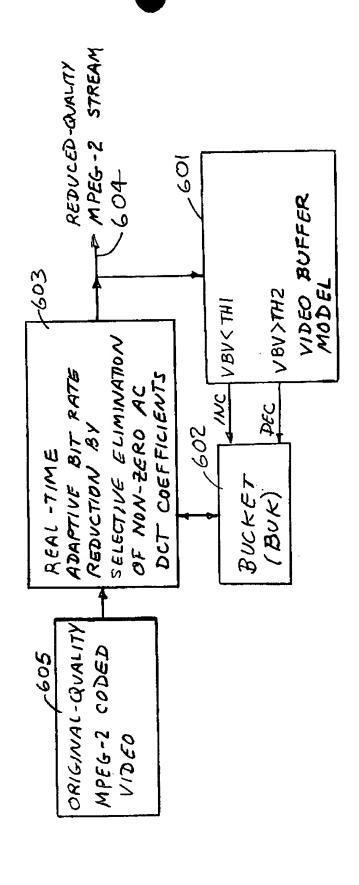


FIG. 38